

DEVELOPMENT REVIEW BOARD REPORT



MEETING DATE: December 18, 2003

ITEM NO. 4

GOAL: Coordinate Planning to Balance Infrastructure

SUBJECT **Canyon VI at DC Ranch**

REQUEST Request to approve a preliminary plat for 33 residential lots a 103+/- acre parcel on DC Ranch Parcel 6.7.

17-PP-2003

Key Items for Consideration:

- This is a new development/subdivision in a canyon located at the east side of DC Ranch Master Planned Community.
- The development will comply with the Master Plans for Planning Unit 6, including the Master Environmental Design Concept Plan.
- There are cuts and fills in excess of eight feet.

Related Policies, References:

54-ZN-1989#1 thru 7, Planning Unit 6 Master Plans

OWNER DC Ranch LLC
480-367-7000

APPLICANT CONTACT Karrin Taylor
Biskind Hunt & Taylor
602-955-3452

LOCATION Northeast corner of east
Saguaro Canyon Trail & east
Windgate Pass Drive

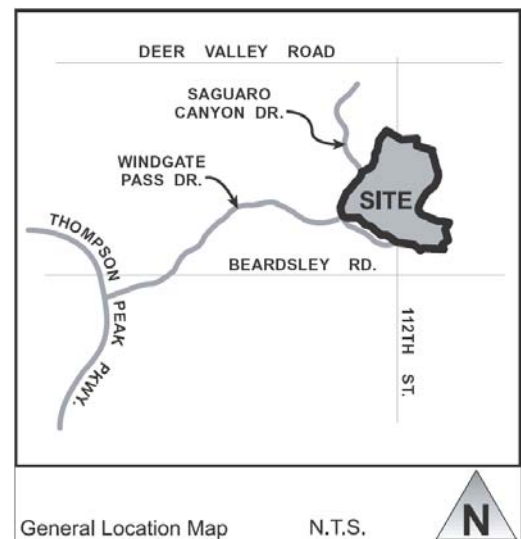
BACKGROUND

Zoning.

DC Ranch is a master planned community. The site is zoned Single Family Residential District/Planned Community District (R1-10/PCD and R1-43/PCD). The DC Ranch Development Agreement allows for 6,000 square foot residential lots, or larger, in the R1-10/PCD zoning district, and it allows for 10,000-square-foot residential lots, or larger, in the R1-43/PCD.

Context.

Planning Unit 6 of DC Ranch is generally located east of the Thompson Peak curve. This canyon parcel consists of 166 acres and is located in the upper desert and hillside landforms at the east side of DC Ranch. The site contains relatively steep slopes and several well-defined washes passing through the site. The property is surrounded by Conservation Open Space (COS/PCD) to the east, and by R1-10/PCD and 41-43/PCD to the south, east, and north.



APPLICANT'S
PROPOSAL**Goal/Purpose of Request.**

This is a request for approval of a preliminary subdivision plat of 103 acres into 33 lots (approximately 1/3 home per acre). Lots have an average size of 131,500 square feet, with the smallest having 42,600 square feet. One point of access to the subdivision will be from Saguaro Canyon Trail to the west. The proposed roads in the subdivision have been designed to minimize cuts and fills as much as possible through the canyon, however there are several cuts and fills in excess of eight feet. The proposed roads and exposed cuts and fills traverse through the terrain in a manner that limits their visibility to the valley from the west. The larger exposed cut and fill areas will be treated with natural stone finishes to blend with the terrain. All development will comply with the Master Development Plans for DC Ranch, including the Environmental Design Master Plan (EDMP).

Development information.

- *Existing Use:* Vacant/Open Desert
- *Parcel Size:* 103 acres
- *Number of Lots:* 33 (1/3 home per acre)
- *Building Height Allowed:* 30 feet

IMPACT ANALYSIS

Traffic.

Roads have been constructed per the approved Master Circulation Plan and adjacent subdivisions, and have been designed to accommodate the proposal. The development is accessed from Saguaro Canyon Trail, which provides access to Windgate Pass Drive and Thompson Peak Parkway. The access to this subdivision conforms to the DC Ranch Master Plan street system. There is adequate capacity on the internal street system and Thompson Peak Parkway for this additional development.

Airport Vicinity.

This property is located outside the airport noise influence area.

Water/Sewer.

The applicant is responsible for new water and sewer infrastructure to service the site.

Police/Fire.

Rural/Metro Fire Department has reviewed this plat and it conforms to the minimum requirements for fire apparatus access. Police and fire facilities exist in the DC Ranch Master Planned Community, and no service impacts are anticipated.

Schools.

The subdivision falls within the Scottsdale Unified School District. The School District has been notified of final plats within DC Ranch, and has stated that there is no capacity issue as long as the plats conform to the densities approved in the original master plan. This plat is developing at a lesser density than the original master plan anticipated.

Open space.

Open space tracts will be provided within the subdivision and along washes through the site, consistent with the Environmental Design Master Design Concept (EDMP).

Community Involvement.

DC Ranch has posted this development in their newsletter. Other than general inquiries, there have been no comments regarding this case.

Community Impact.

DC Ranch has prepared Master Development Plans to address water, wastewater, drainage, and circulation issues, as well as a master environmental design plan. The proposed roads and exposed cuts and fills will be designed to limit their visibility to the valley from the west.

STAFF
RECOMMENDATION

Recommended Approach:

Staff recommends approval, subject to the attached stipulations.

RESPONSIBLE
DEPT(S)

Planning and Development Services Department
Current Planning Services

STAFF CONTACT(S)

Tim Curtis
Project Coordination Manager
Phone: 480-312-4210
E-mail: tcurtis@ScottsdaleAZ.gov

APPROVED BY

Tim Curtis
Report Author

ATTACHMENTS

1. Applicant's Narrative
2. Context Aerial
3. Aerial Close-Up
4. Zoning Map
5. Preliminary Plat Map
6. Stipulations
7. Ordinance Requirements

**DC RANCH
PARCEL 6.7
PROJECT NARRATIVE
CASE # 477-PA-2003**

REQUEST

This application requests Development Review Board approval for a preliminary plat consisting of thirty three (33) lots within Parcel 6.7 at DC Ranch. The architecture styles for these homes have met with past success and are unique to DC Ranch. All homes proposed will be subject to design approval by the DC Ranch Covenant Commission in order to ensure conformance with the recorded covenants and restrictions.

ACCESS

Access will be from Saguaro Canyon Trail, north of Windgate Pass Drive. Parcel 6.7 is zoned R1-10 and R1-43 PCD. The site has been planned to protect the native vegetation and washes and to maximize viewsheds. Street alignments and elevations are designed to maximize integration with natural topography. Significant trees, saguaros, and boulder outcroppings were observed and designed around. Streets will be designed and constructed in accordance with the development standards for DC Ranch.

ROADWAY ALIGNMENT

Roadways within this parcel have been designed both vertically and horizontally to minimize visual and environmental impact to the site. The goal is to integrate the roadbed with the natural topography of this canyon site. At the refinement of these plans, traditional retaining walls, rubble rock retaining grades, stable exposed rock faces, hammerheads, and other creative hillside road design methods will be incorporated to minimize the area of cut and fill disturbance to the site. The lay out of the roadways as shown, avoids significant rock outcroppings and stands of significant or difficult to relocate native Sonoran vegetation. Final civil design and construction will be in accordance with the amended development standards set forth in the Second Amendment to the Development Agreement, as amended, and the approved Master Plans for Planning Units III, V, & VI at DC Ranch

WASHES

In the initial planning of this parcel, heavily vegetated land along the major wash corridor was set aside for preservation. The planning efforts sought to minimize any development impacts to these areas. The preservation of this major corridor, in keeping with the design character of DC Ranch, will be a major natural open space amenity to this parcel. When crossing of this major corridor or the minor wash corridors within the parcel is required, the design and construction of the drainage structures will be such as to minimize the aesthetic and hydraulic impacts. In addition, the drainage structures will be designed to allow the flow of water to travel under the roadway while providing some on-site retention.

LOT LAYOUTS

The lots within Parcel 6.7 have been designed to mitigate the impacts to the natural canyon site, while providing spectacular home sites for future owners. The lots will be designed with development envelopes that will encourage homeowners to protect natural features and significant existing vegetation. The envelopes will be sited to minimize the future impacts of the building pad and driveway access for each home.

BUILDING HEIGHT

The maximum building height within Parcel 6.7 is thirty feet (30') above existing natural grade similar to that in the Scottsdale's Environmentally Sensitive Land Ordinance (ESL), as outlined in Schedule G of the Second Amendment to the Development Agreement, as amended. The grading of site pads will be reviewed by the DC Ranch Covenant Commission with the intent of minimizing the visual impact of any cuts or fills that may be required.

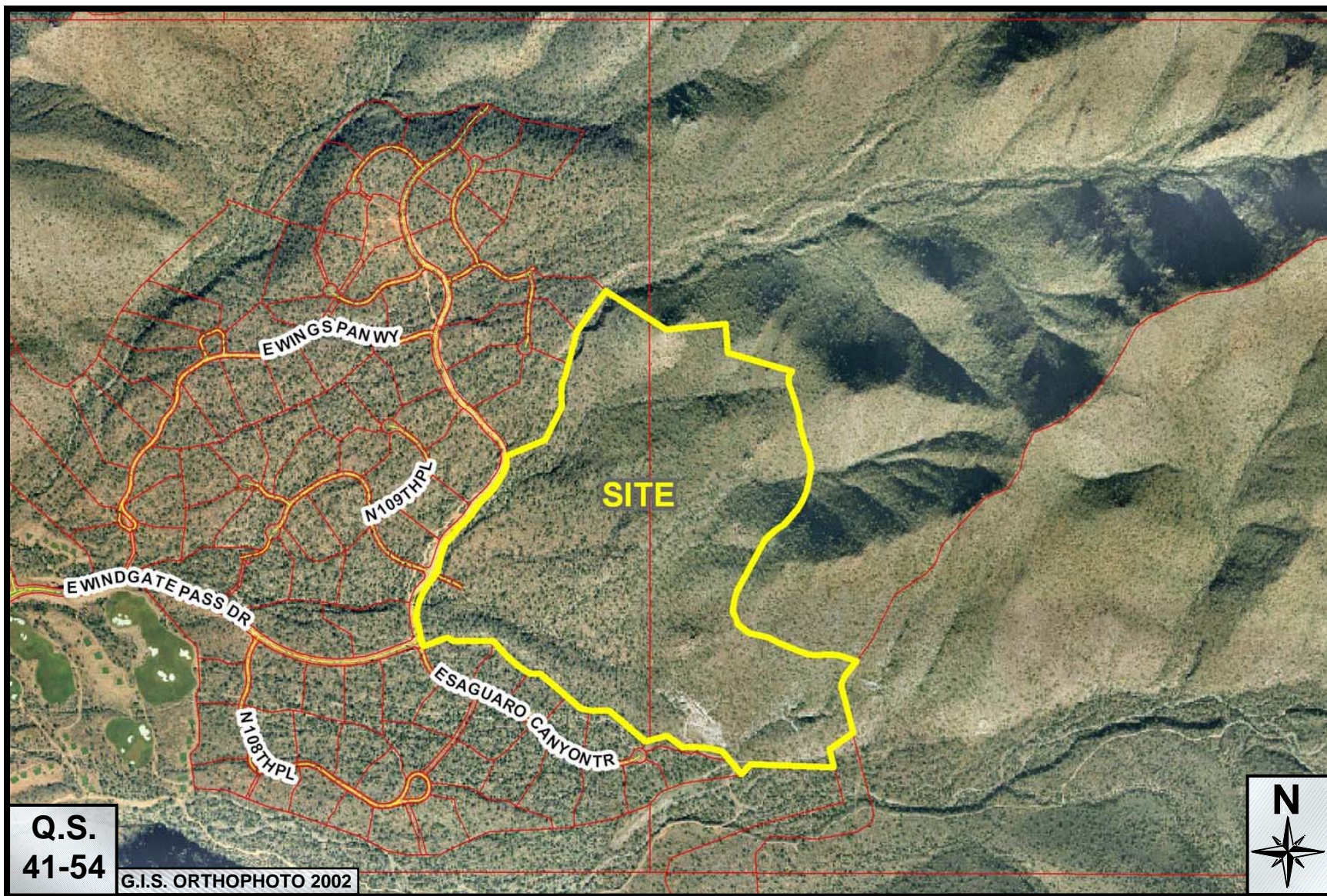
DESIGN GUIDELINES

Parcel 6.7 is governed by the Silverleaf, Upper Canyon Design Guidelines. These guidelines introduce new homeowners to the design philosophy that has been the hallmark of DC Ranch. The guidelines include the concepts of good site design, architectural detailing, appropriate styles of architecture for this portion of the DC Ranch community, color and material selection,

appropriate planting and lighting for the Sonoran desert setting, and the DC Ranch review process. The goal of this collection of information is to achieve great design and insure a lasting value in the community through guidance of individual design expression.

NAOS

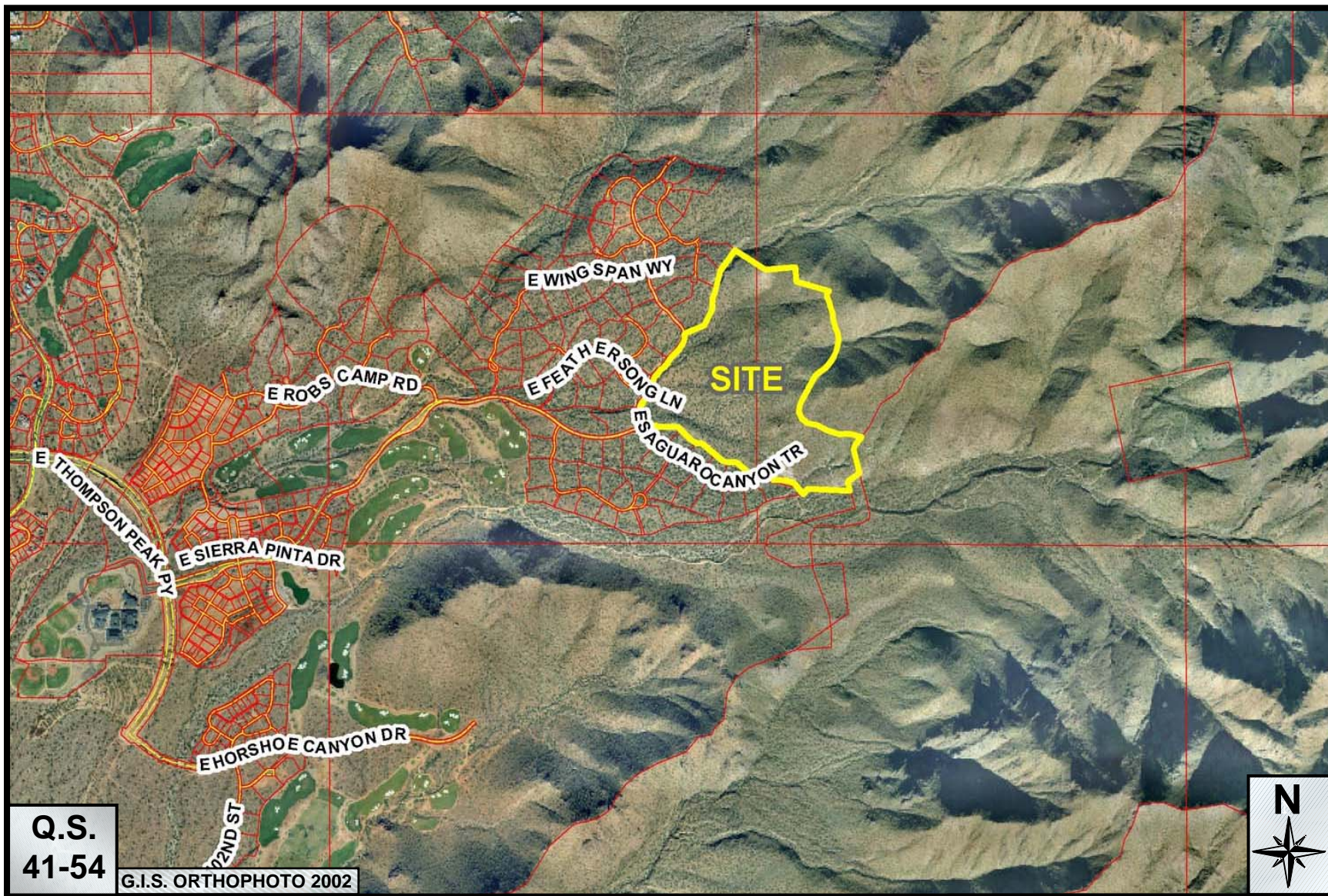
Per the Second Amendment to the Development Agreement, as amended, and the subsequent Natural Area Open Space (NAOS) delineation documentation, approximately 28 acres of NAOS are to be provided within Parcel 6.7 as Conservation Area (CA). The Conservation Open Space (COS) that surrounds this parcel has already been determined, except for a small sliver of land at the east end of the canyon. This remaining sliver of land will be delineated at the recordation of the final plat for this parcel. In addition to the NAOS acreage already agreed to for this parcel, the Army Corps of Engineers' jurisdictional 404 washes, and associated vegetated areas (a.k.a. mitigation buffer) will also be placed within NAOS easements to insure they remain in a native state. The NAOS provided in this parcel will help to ensure that DC Ranch exceeds its NAOS requirements as outlined in the Land Use Budget of the Second Amendment to the Development Agreement, as amended.



DC Ranch Parcel 6.7

17-PP-2003

ATTACHMENT #2A



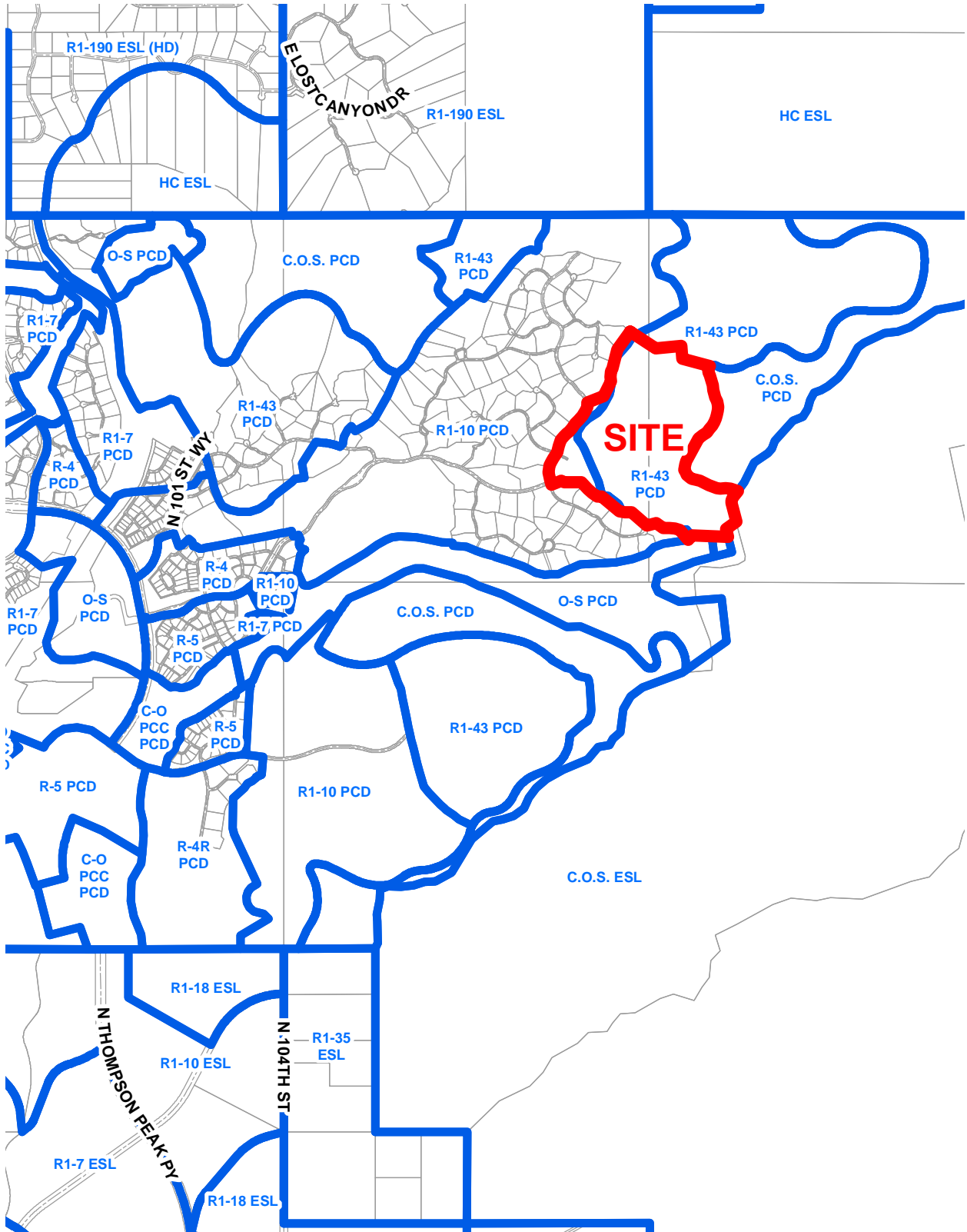
Q.S.
41-54

G.I.S. ORTHOPHOTO 2002

DC Ranch Parcel 6.7

17-PP-2003

ATTACHMENT #2



17-PP-2003
ATTACHMENT #3



A PORTION OF SECTIONS 21 & 22, T.4N., R.5E., OF THE
G.&S.R.M., MARICOPA COUNTY, ARIZONA

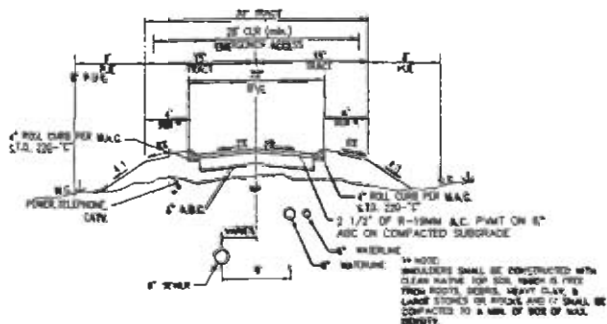
CRSTING ZONING	RI-10
CROSS ACRES	10.51 AC
NET AREA	36.61 AC
YIELD	23 CUPS
DEPTTY	23 UNIT/AC
MIN LOT BLK	46.00 ACFT
AVG LOT SIZE	15.00 ACFT
TRUCK	10000
WATER	CITY OF BOULDER
POLE	CITY OF BOULDER
ELECTRIC	BLVD, WEST
TELEPHONE	BLVD, PUBLIC SERVICE
CABLE	QUEST
GAS	NO CABLE IN
	NO CABLE IN

2019 年 12 月

- 1.) AN IF P.U.E. WILL BE PROVIDED ON BOTH SIDES OF
FULL STREETS UNLESS DETERMINED IT IS NOT NEEDED.
- 2.) ALL STREETS ARE PRIVATE.
- 3.) ALL STREETS AND TRAILS WILL BE MAINTAINED BY BOARD OF
CONDONORS OF THE ZONING IN ACCORDANCE
WITH APPLICABLE REQUIRED RESTRICTIONS, AND DEVELOPMENT
AGREEMENT AND SIMILATIONS.



PROJECT SITE



LOOKING EAST OR NORTH
 BRIDGE & TAIL

SHRINK 1	COVER SHEET
SHRINK 2	COMBINED CONTEXT AERIAL AND CONTEXT SITE PLAN FOR 1 MILE
SHRINK 3	OVERALL SITE PLAN INDEX
SHRINK 4a	SITE PLAN
SHRINK 5	TOPOGRAPHY MAP
SHRINK 6	PROPOSED BUILDING ENVELOPE/CONTEXT PLAN
SHRINK 7	CUT & FILL MAP
SHRINK 8	SECTION RETAIL
SHRINK 9	CHISEL SECTIONS
SHRINK 10	TOPOGRAPHY/AERIAL OVERLAY WITH SITE PLAN/PROPOSED
SHRINK 11	TESTA CROSSING
SHRINK 12	CONCEPTUAL LANDSCAPE & Walls PLAN
SHRINK 13	WATER SAMPLING STATION
SHRINK 14	SCAPE ANALYSIS SUPERIMPOSED ON TOPOGRAPHY W/WALLS
SHRINK 15	M.A.O.S.



DC RANCH, L.L.C.
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SCOTTSDALE, AZ 85256-2137
CONTACT: MR. KURT JONES
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WOOD, PATEL AND ASSOCIATES
3034 WEST HIGHLAND, SUITE 100
PHOENIX, AZ 85021
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THOMAS PARTNERS
7000 EAST McDONALD DRIVE
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CONTACT: BREWSTER BARNER
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4144 NORTH 44TH STREET
SUITE D
PHOENIX, AZ 85018-4284
CONTACT: DON ROBINSON
(602) 224-3083 FAX: (602) 985-1170

CONCLUSIONS

CITY OF SCOTTSDALE BRASS CAP FLUSH
AT THE INTERSECTION OF EASTBOUND
THOMPSON PEAK PARKWAY AND DESERT
CAMP DRIVE (EASTERN INTERSECTION).
ELEVATION = 1883.56, GC RAPID DATUM
ELEVATION = 1882.812 CITY OF
SCOTTSDALE NAVD 83 DATUM
(BASED ON EQUATION BELOW)

GENERAL LAND OFFICE BRASS CAP AT THE
NORTHEAST CORNER OF SECTION 18, T4N, R5E,
CITY OF SCOTTSDALE, GPS POINT NUMBER 7193.
ELEVATION = 1874.08 DC BANCH DATUM
ELEVATION = 1753.342 CITY OF SCOTTSDALE
NAVD 83 DATUM
ELEVATION = (-) 0.728 FROM DC BANCH DATUM
TO CITY OF SCOTTSDALE, NAVD 83 DATUM AT GPS
POINT NUMBER 7192.

I HEREBY CERTIFY THAT ALL ELEVATIONS
REPRESENTED ON THIS PLAN ARE BASED ON THE
ELEVATION DATUM EQUATION TO THE CITY OF
SCOTTSDALE BENCHMARK AS PROVIDED ABOVE.

8	WATER TAIL
10	FIRE HYDRANT
0	SEWER MANHOLE
4	SOCK
8-9	PROPOSED WATER
8-9	PROPOSED SEWER
-(8-9)-	EXISTING WATER
-(8-9)-	EXISTING SEWER

WOOD/PATEL
Civil Engineer
Hydrogeology
Utah Bureau of
Geology and Mining
Cedar Rapids, Iowa 52401-3000

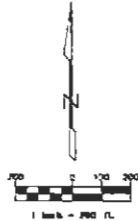
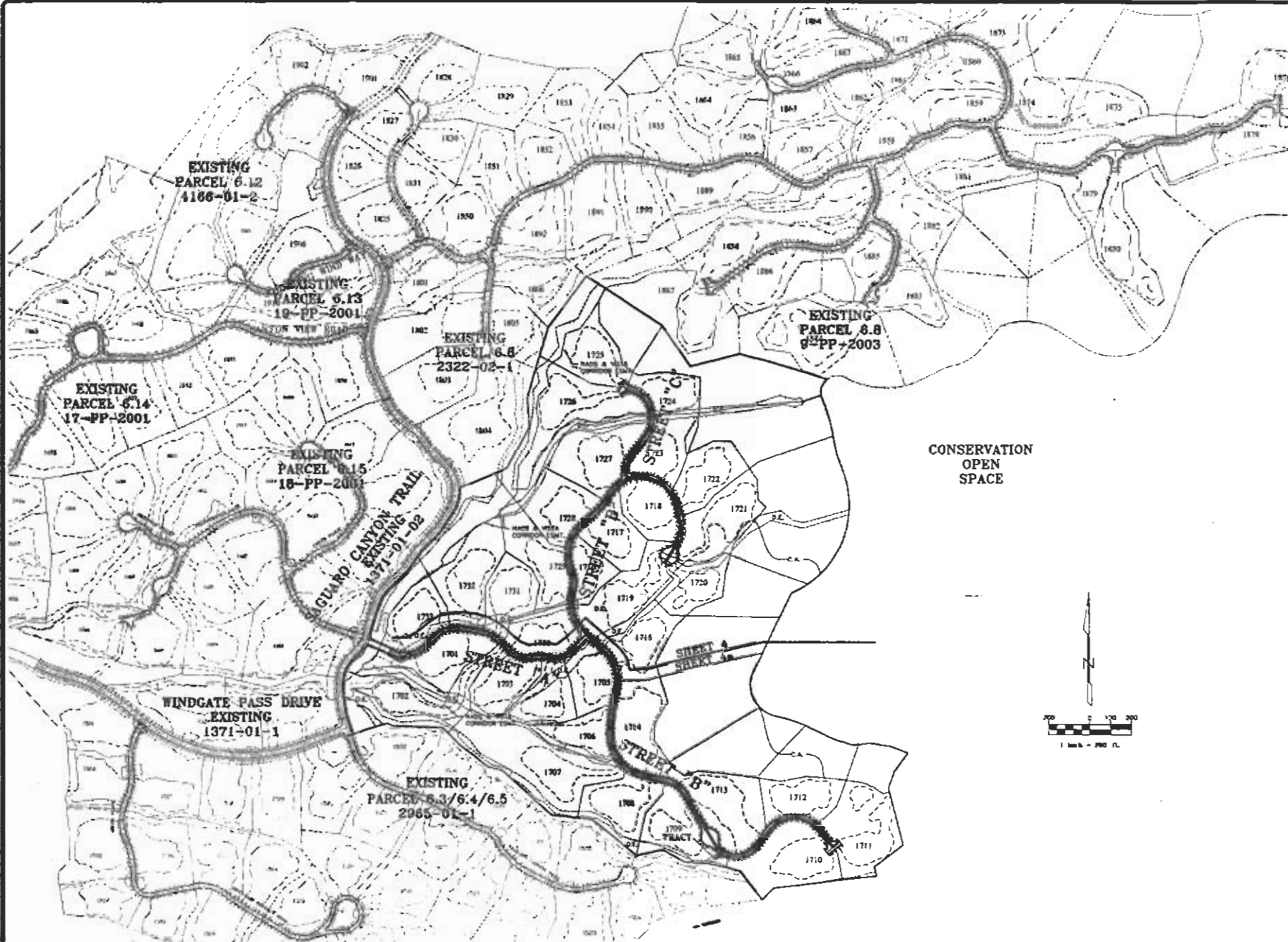
DC RANCH
SCOTTSDALE

PARCEL 07
PRELIMINARY PLAT - COVER SHEET



54-2N-B9 #7 477-PA-2003

REVISIONS AND INFORMATION AS PRESENTED ON THESE AND THE PROPERTY OF D.B. SCOTT, L.L.C. ARE NOT BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF D.B. SCOTT, L.L.C.



DMB

WOOD/PATEL

Project Manager
Civil Engineer
Professional Seal
1993-2000

**DC RANCH
SCOTTSDALE**

PARCEL 6.7

PRELIMINARY PLAN - OVERALL SITE PLAN INDEX

54-2N-89 97 477-PA-2003

RESIDENTIAL SUBDIVISION –CANYON VI AT DC RANCH
STIPULATIONS FOR 17-PP-2003

FINAL PLATS MUST BE PER THE APPROVED PRELIMINARY PLAT WITH THE MODIFICATIONS PER THE FOLLOWING STIPULATIONS TO OBTAIN PERMITS

SITE DESIGN:

1. The approval of the preliminary plat for Parcel 6.7 shall be valid for two years from the date of Development Review Board approval.
2. Site design shall conform to the land use budget for Planning Units 3,5,6 of case 54-ZN-89 #7, amended development standards for the R1-10 and R1-43 zoning districts, and the Planning Master Plans for Planning Units 3,5,6 (PMP) to the satisfaction of Planning and Development Services' Plan Review staff.
3. The developer shall provide an update to the 54-ZN-89#1-7 Land Use Budget Summary, and the Residential Land Use Summary (specifically for DC Ranch Planning Units 3,5,6) with the final plans submittal. The updates to these Summaries shall document conformance with the maximum densities and units, and the minimum NAOS to be provided by Planning Units Planning Units 3,5,6 as noted in case 54-ZN-89#1-7, to the satisfaction of Planning and Development Services' Plan Review staff.
4. Tracts reserved for open space or other uses shall conform to the PMP, to the satisfaction of Planning and Development Services' Plan Review staff.
5. The design/elevations/color of proposed wash control devices shall be in conformance with the PMP, to the satisfaction of Planning and Development Services' Plan Review staff. With the final plans submittal, the developer shall provide elevations, sections, details, etc., which shall be subject to Planning and Development Services' Plan Review (planning and civil) approval.
6. Final plat shall identify the *ownership* and maintenance of any land not used for residential lots.
7. The landscape plan for all model home(s) shall be submitted for final plans review and approval.
8. *Any proposed* unpaved drives and parking areas shall be treated for dust control.
9. Flagpoles, if provided, shall be one piece conical tapered.

ON-SITE LIGHTING:

1. All lighting shall be consistent with the approved PMP, to the satisfaction of Planning and Development Services' Plan Review staff.

2. Provide plans indicating locations and details of all exterior on-site lighting and lighting fixtures (re: diffusing, standards, glare, height, etc.) at the time of landscape plans submittal.

SIGNS:

1. All signs shall be consistent with the approved Thematic Character Study for Planning Units II and IV, to the satisfaction of Planning and Development Services' Plan Review staff.
2. Provide note on final landscape plans: Signs require separate approvals and permits.

BIKEPATHS/PUBLIC USE TRAILS:

1. The internal path and sidewalk system shall be consistent with the Parks and Circulation Plan in the PMP, to the satisfaction of Planning and Development Services' Plan Review staff.
2. The developer shall indicate the location of trail connections and any associated easements with the final plans submittal.

WALL DESIGN:

1. No permanent chain link fencing shall be allowed except as approved by the Project Coordination staff.
2. The homeowners' association shall be responsible for the maintenance of the streetscape walls and site wall required for the street and infrastructure improvements. Note this requirement on the final plat.
3. Details and locations of streetscape walls and site walls proposed on top of retaining walls shall be submitted for staff review and approval at the time of final lot improvement plan submittal.

LANDSCAPING:

1. Landscaping and plant material shall be consistent with the PMP, to the satisfaction of Planning and Development Services' Plan Review staff.
2. Incorporate existing vegetation into the landscape design.
3. Non-indigenous plant materials, which have a potential of exceeding 20 feet in height, are not to be introduced on the site, *except as approved by Project Coordination Manager, in compliance with 54-ZN-89#1-7, or as previously approved through the PMP.*
4. Upon removal of the salvageable native plants the salvage contractor shall submit a completed Native Plant Tracking Form as well as a list identifying the tag numbers of the plants surviving salvage operations to the City's Planning Inspector within 3 months from the beginning of salvage operations and/or prior to issuance of the Certificate of Occupancy.

5. Sight distance triangles and sight distance lines shall be shown on final plans for all intersections. Area within the safety triangle is to be clear of landscaping, signs, or other visibility obstructions with a height greater than 2 feet. Trees within the safety triangle shall either have a canopy that begins at 7 feet in height upon installation or be maintained to ensure visibility is not obstructed. All heights are measured from nearest street line elevation.
6. Turf areas are to be a minimum of 10 feet in width.
7. Provide positive drainage away from walks and curbs along all streets abutting natural terrain except as set forth in the PMP.
8. Setback all spray and stream type irrigation heads 1'-0" from back of curb or sidewalk to reduce over-spray, or provide design alternatives to achieve similar results to be approved by Planning and Development Services' Plan Review staff.
9. All roadway tracts shall be landscaped by the developer and or homeowner as approved by the to the satisfaction of Planning and Development Services' Plan Review staff.

IRRIGATION:

1. At the time of final irrigation plan submittal the applicant shall identify the location of backflow preventors and the means of screening to be provided.
2. If NAOS is proposed, a temporary irrigation system is required in revegetated NAOS areas. This system shall be disconnected once the plant material is established and shall not exceed a period of three years.

NATURAL AREA OPEN SPACE (NAOS) VISTA COORIDORS:

1. If NAOS is proposed, provide a separate, dimensioned plan indicating the limits of construction to assure the (NAOS, drainage, vista corridor, and scenic corridor) remains natural - for field staff review and approval.
2. Vista Corridors easements shall be dedicated to the City of Scottsdale over washes that contain Q100 flows of 750 cfs and greater. The easement shall included the entire 100 year limits of inundation and shall be a minimum of 100-feet in width to the satisfaction of Planning and Development Services' Plan Review staff
3. NAOS shall be dedicated over the vista corridor easements.

OTHER:

1. The developer shall amend the zoning district boundary lines so that they follow the lot lines prior to lot sales, and prior to the issuance of the Letter of Acceptance for the infrastructure improvements.

TRAFFIC STIPULATION REQUIREMENTS
CIRCULATION AND REFUSE

INTERNAL CIRCULATION:

1. The internal streets shall be private. The private street tracts shall be dedicated to provide emergency and service vehicle access and public utility construction and maintenance.
2. An 8-foot wide public utility easement shall be dedicated along both sides of the internal streets. The 8-foot wide easements may be reduced or eliminated upon approval of the public utility companies.
3. The circulation elements shall be in conformance with the DC Ranch Master Circulation Plan for Planning Units III, V, and VI.

STRIPING AND SIGNAGE PLAN:

1. All incidental signing and striping required by site roadway improvements shall be included on the roadway paving plans.

SIGHT DISTANCE:

1. Sight distance triangles must be shown on final plans to be clear of landscaping, signs, or other visibility obstructions between 2 feet and 7 feet in height, and 6 inches maximum width or diameter.
2. Sight distance easements shall be dedicated over sight distance triangles.
3. Refer to the following figures: 3.1-13 and 3.1-14 of Section 3.1 of the City's Design Standards and Policies Manual, published December 1999.

REFUSE COLLECTION:

1. If individual (80-gallon) refuse containers are not planned for the development, the site's trash enclosures shall be constructed to City of Scottsdale's standards.
2. Grade slopes on private streets shall not exceed the allowable limits of the COS sanitation trucks.

DRAINAGE AND FLOOD CONTROL STIPULATIONS

DRAINAGE:

1. COMPLIANCE. The following stipulations are provided to aid the developer in submittal requirements, and are not intended to be all-inclusive of project requirements. The developer shall submit engineering design reports and plans that demonstrate conformance to City ordinances, the Scottsdale Revised Code and the Design Standards and Policies Manual.

2. FINAL DRAINAGE REPORT. With the final improvement plans submittal, the developer shall submit a final drainage report and plan, subject to Plan Review and Permit Services Division approval. Before the approval of final improvement plans by City staff, the developer shall submit two (2) hard copies of the complete final drainage report and plan. The final drainage report and plan shall:
 - a. The final drainage report shall be in general conformance with the preliminary drainage report for DC Ranch Parcel 6.7, dated September 16, 2003, prepared by Wood, Patel and Associates.
 - b. Reference and be consistent with the drainage report titled "DC Ranch Planning Units III, V & VI Addendum to Part 4 Drainage Plan Study," dated December 25, 2001 and accepted by the City on April 29, 2002.
 - c. Per the approved report entitled "DC Ranch Planning Unit III, V, VI Addendum to Part 4 Drainage Plan Study", storm water storage is being provided within Parcel 6.7.
 - d. Provide final calculations and detailed analyses that demonstrate consistency with the conceptual drainage report and plan accepted in concept by the Current Planning Services Division.
 - e. Provide calculations for sizing all road-crossing culverts. Provide calculations for determining depths of flow over all road crossings. Demonstrate that during the 100-year storm, all building lots will be accessible from the boundary of the development without having to drive through a depth of water of greater than 1 foot.
 - f. Show all upstream contributing basin areas, including calculations and analyses for the peak runoff entering the site. Include a discussion of how the lowest floor elevations are established.
 - g. Demonstrate that historical flow through the site has been maintained and that storm water runoff exiting this site has a safe place to flow.
 - h. Include a clearly legible HEC-1 Schematic that shows all concentration points and connecting flow lines, and that is consistent with the HEC-1 model.
 - i. Include an exhibit that indicates where the site lies within the FEMA designated areas and define all pertinent FEMA designations.
 - j. Where rip-rap is proposed, provide calculations for rip-rap lined channels and rip-rap outlet structures using the design criteria for characteristic sizing, gradation, thickness and filter-blanket requirements from the Drainage Design Manual for Maricopa County, Volume II, or hydraulic design of energy dissipaters for culverts and channels U.S. Department of Transportation, FHWA, September 1983.
3. STORM WATER STORAGE REQUIREMENT. Stormwater storage shall be provided per the approved addendum to the master drainage report and plan as stated in 2(a) above.
4. SPLIT FLOWS. Per Section 2.2, page 8, of the Design Standards and Policies Manual, in setting finished floor elevations regarding upstream splits, the engineer shall assume that 100% of the

flow could go either direction in any given flood event. For infrastructure design, the estimate of the actual split based on a hydraulic analysis of the existing channel cross-sections must include a minimum safety factor of 30%.

5. UTILITY CONFLICT COORDINATION. Before improvement plan approval by the Plan Review and Permit Services Division, the developer shall submit a signed No Conflict form (not required for City-owned utilities) from every affected utility company.
6. GRADING AND DRAINAGE PLAN. A final grading and drainage plan shall be submitted to the Plan Review and Permit Services Division. The grading and drainage plan shall include, but not be limited to, the following:
 - a. Benchmark datum shall be based on North American Datum of 1988.
 - b. Provide a base plan sheet with topography at 2-foot minimum contour lines.
 - c. Contours, or sufficient spot elevations, shall be shown beyond the limits of construction as required to sufficiently reflect the impact of development on the abutting improvements and or rights of way.
 - d. Show top of curb elevations in front of each lot, at grade breaks and at intersection corners.
 - e. Show street cross slope direction (use arrows).
 - f. Show all easements including, but not limited to, slope, public utility, vehicular non-access, waterline, sanitary sewer line, etc.
 - g. Show all drainage facilities (culverts, storm drains, berms, swales, etc.). Show the sizes of all culverts.
 - h. Show $Q_{(100)}$ at all culvert inlets, where wash corridors converge, and at storm water entrance/exit points of the parcel boundaries.
 - i. Show the limits of inundation for all washes having a flow rate of 50 cfs or more using the peak runoff from the 100-year, 6-hour storm event.
 - j. Note: "Where used, rip-rap shall be placed so that a dense, uniform mass of durable, angular stones with no apparent voids or pockets is configured."
 - k. Show all multi-use paths and multi-use trails.
 - l. Show all walls, such as perimeter, screening and retaining walls.
 - m. *Wash stabilization options shall conform to the EDMP unless the City approves other options.*

7. OFF-SITE RUNOFF. All development shall be designed to satisfactorily convey peak discharge for the 100-year, 6-hour storm event through the site without significant damage to structures.
8. ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) REQUIREMENTS. All construction activities that disturb one or more acres shall obtain coverage under the Arizona Pollutant Discharge Elimination System (AZPDES) Construction General Permit. To gain coverage, operators of construction sites must:
 - a. Submit a Notice of Intent (NOI) to ADEQ;
 - b. Prepare a Stormwater Pollution Prevention Plan (SWPPP) and keep a copy on site;
 - c. With the improvement plan submittal to the Plan Review and Permit Services Division, the developer shall submit two copies of the NOI and a copy of the Storm Water Pollution Prevention Plan.
 - d. Send a Notice of Termination (NOT) to ADEQ when construction is completed. Contact ADEQ at 602-771-4449 for further information. Forms are available from the City of Scottsdale One Stop Shop, 7447 East Indian School Road, Suite 100 or from ADEQ's web site: <http://www.adeq.state.az.us/environ/water/permits/stormwater.html#const>
9. SECTION 404 PERMITS. With the improvement plan submittal to the Plan Review and Permit Services Division, the developer's engineer must certify that it complies with, or is exempt from, Section 404 of the Clean Water Act of the United States. [Section 404 regulates the discharge of dredged or fill material into a wetland, lake, (including dry lakes), river, stream (including intermittent streams, ephemeral washes, and arroyos), or other waters of the United States.]
10. DUST CONTROL PERMITS. Prior to the start of grading on sites 1/10 acre or larger, a Dust Control Permit (earth moving permit) must be obtained from Maricopa County Division of Air Pollution Control. Call the county (602-506-6700) for fees and application information.

DRAINAGE STRUCTURES:

1. RETAINING WALLS. Provide a structural design report for retaining walls, including but not limited to, scouring analyses and calculations for active forces based on an associated geotechnical analysis of the soil and soil conditions.

VERIFICATION OF COMPLIANCE

1. REQUIRED SPECIAL INSPECTIONS. Before the approval of the improvement plans, the Plan Review and Permit Services Division staff shall specify those drainage facilities that shall be required to have Special Inspections. See Section 2-109 of the Design Standards and Policies Manual for more information on this process.
2. CONDITION FOR ISSUANCE OF GRADING & DRAINAGE PERMIT. Before the issuance of a Grading & Drainage Permit:
 - a. The developer shall certify that it has retained an Inspecting Engineer by completing Part I (Project Information) and Part II (Owner's Notification of Special Inspection) of the Certificate of Special Inspection of Drainage Facilities (CSIDF); and,

- b. The Inspecting Engineer shall complete Part III (Certificate of Responsibility) of the CSIDF.
- 3. CONDITION FOR ISSUANCE OF CERTIFICATE OF OCCUPANCY AND/OR LETTER OF ACCEPTANCE. Before the issuance of a Certificate of Occupancy and/or a Letter of Acceptance:
 - a. The Inspecting Engineer shall complete the Certificate of Compliance form.
 - b. The developer shall submit all required Special Inspection Checklists and the completed Certificate of Compliance form to the Inspection Services Division. The Certificate of Compliance form shall be sealed, signed and dated by the Inspecting Engineer, and shall be attached to all required Special Inspection Checklists completed by the Inspecting Engineer.
- 4. AS-BUILT PLANS. City staff may at any time request the developer to submit as-built plans to the Inspection Services Division.
 - a. As-built plans shall be certified in writing by a registered professional civil engineer, using as-built data from a registered land surveyor.
 - b. As-built plans for drainage facilities and structures shall include, but are not limited to, streets, lot grading, storm drain pipe, valley gutters, curb and gutter, flood walls, culverts, inlet and outlet structures, berms, and open channels as determined by City staff.

TRACTS AND EASEMENTS:

- 1. DEDICATIONS. Drainage and flood control easements shall be dedicated to the City to the limits of inundation for all vista corridor washes, for all washes having a discharge rate of 50 cfs or more, and for all FEMA regulatory floodways to the extent of the 100-year base flood elevation.
 - a. All drainage and flood control easements, including easements for storm water storage, shall be dedicated on the final plat with maintenance responsibility specified to be that of the Homeowners Association and or property owner.
 - b. Before any building permit is issued for the site, any additional drainage and flood control easements determined necessary due to final design analysis and proposed improvements, shall be dedicated to the City.
- 2. MAINTENANCE RESPONSIBILITY. Maintenance responsibility shall be that of the Homeowners Association and or property owner. All easement dedications shall demonstrate conformance to the ordinances and the Scottsdale Revised Code – Section 37-45. In addition all easement dedications shall:
 - a. Specify the right of the City to enter into the easement for the purposes of the removal of obstructions and or impedance to the watercourse that are deemed to be a public

nuisance, when so designated by the Floodplain Administrator.

- b. Note that the Homeowners Association and or property owner shall pay actual costs for the removal of obstructions and or impedance to the watercourse.

WATER AND WASTEWATER STIPULATIONS

WATER & WASTEWATER:

1. COMPLIANCE. The following stipulations are provided to aid the developer in submittal requirements, and are not intended to be all-inclusive of project requirements. Water and sewer lines and services shall be in compliance with City Engineering Water and Sewer Ordinance Requirements, the Scottsdale Revised Code and Sections 4 and 5 of the Design Standards and Policies Manual.
2. WATER AND WASTEWATER MASTER PLANS. All water and sewer lines shall be constructed in accordance with the City's Water and Wastewater Master Plans and the approved Master Water and Wastewater Plans for DC Ranch Planning Units III, V, and VI.
3. BASIS OF DESIGN REPORT (WATER). Before the improvement plan submittal to the Plan Review and Permit Services Division, the developer shall obtain approval of the Water Basis of Design Report from the City's Water Resources Department. The report shall conform to the draft Water and Wastewater Report Guidelines available from the City's Water Resources Department. The basis of design report and plan shall:
 - a. Identify the location, size, condition, and availability of existing water lines and water related facilities such as valves, service lines, fire hydrants, etc.
 - b. Evaluate the project's water demands and their impact on the existing water system.
 - c. Determine the need for any additional water lines and water related facilities to support the proposed development.
 - d. Conform to the City's Integrated Water Master Plan.
 - e. Identify the timing of and parties responsible for construction of all water facilities.
4. BASIS OF DESIGN REPORT (WASTEWATER). Before the improvement plan submittal to the Plan Review and Permit Services Division, the developer shall obtain approval of the Wastewater Basis of Design Report from the City's Water Resources Department. The report shall conform to the draft Water and Wastewater Report Guidelines available from the City's Water Resources Department. The basis of design report and plan shall:
 - a. Identify the location of, size, condition, and availability of existing sanitary sewer lines and wastewater-related facilities.
 - b. Evaluate the project's wastewater demands and their impact on the existing wastewater system.
 - c. Determine the need for any additional wastewater lines and related facilities to support the proposed development.
 - d. Conform to the City's Wastewater System Master Plan.
 - e. Identify the timing of and parties responsible for construction of all wastewater facilities.

5. WATER SAMPLING STATIONS. Prior to the approval of the improvement plans by the Plan Review and Permit Services Division, all water sampling stations shall be shown and labeled on the improvement plans.
 - a. Water sampling station locations are subject to review and approval by the Water Quality Division. Contact Mr. Craig Miller at 480-312-8743 in the City of Scottsdale Water Resources Department for questions regarding the status of the review.
 - b. The Water Quality Division shall distribute copies of the approved sampling station location(s) to the Plan Review and Permit Services Division.
6. CLEARANCE FROM WALLS. Where walls cross or run parallel with public water mains, public sewer mains, or public fire lines the following shall apply:
 - a. For walls constructed parallel to these pipes, the walls shall be a minimum of six (6) feet from the outside diameter of the pipe.
 - b. For walls constructed across or perpendicular to these pipes, the walls shall be constructed (1) with gates or removable wall panels for maintenance and emergency access; or, (2) as a standard wall and the developer shall indemnify utility companies from damage to walls associated with repair of water and sewer lines.
7. PRESSURE FLOW TEST. At the time of final plan submittal, the developer shall submit an engineer's certification of adequate pressure and flow to the highest fire sprinkler floor elevation and a fire flow test of the water system.
8. MANHOLE LOCATION. Manholes shall not be located on lots.
9. ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS (ADEQ). The developer shall be responsible for conformance with ADEQ regulations and requirements for submittals, approvals, and notifications. The developer shall demonstrate compliance with Engineering Bulletin #10 Guidelines for the Construction of Water Systems, and applicable chapters of the Arizona Administrative Code, Title 18, Environmental Quality. In addition:
 - a. Before approval of final improvement plans by the Plan Review and Permit Services Division, the developer shall submit a cover sheet for the final improvement plans with a completed signature and date of approval from the Maricopa County Environmental Services Department (MCESD).
 - b. Before commencing construction, the contractor or developer shall provide evidence to City staff that a Certificate of Approval to Construct and/or Provisional Verification of General Permit Conformance has been approved by MCESD.
 - c. Before building permits are issued, the developer shall submit to the City a Certificate of Approval of Construction and/or Verification of General Permit Conformance signed by the MCESD and a copy of the as-built drawings.
 - d. Before issuance of Letters of Acceptance by the City's Inspection Services Division, the developer shall provide to the City a final set of as-built mylars of the improvements.

TRACTS AND EASEMENTS`:

1. UTILITIES IN TRACTS. All utilities between lots shall be located entirely within a dedicated tract (20' minimum width).
2. EASEMENTS AND MAINTENANCE RESPONSIBILITY. All associated water and sewer line easements shall be shown on the final plat with maintenance responsibility specified with the final plat notes.
3. RESPONSIBILITY FOR LANDSCAPING IMPROVEMENTS. Indemnity agreements shall be required when substantial improvements and (or) landscaping are proposed within a utility easement. The agreement shall acknowledge the right of the City to access the easement as necessary for service or emergencies without responsibility for the replacement or repair of any improvements or landscaping within the easement.

ORDINANCE REQUIREMENTS

Some Things You Should Know About Ordinance Requirements:

- ◆ Some of the Ordinance requirements that may be relevant to your project are included in the following pages as helpful information.
- ◆ There may be some Ordinance requirements, which apply to your project that aren't included here.
- ◆ Any appeals must be made in writing to the CITY CLERK'S OFFICE.

ENGINEERING ORDINANCE REQUIREMENTS

ALL STIPULATIONS FROM THE ASSOCIATED REZONING OR USE PERMITCASES CONTINUE TO APPLY.

DRAINAGE AND FLOOD CONTROL:

1. HISTORICAL FLOW. Off-site runoff must enter and exit the site as it did historically.
2. STREET CROSSINGS. Watercourse crossings for roads shall be designed to provide for 100-year access to all lots by at least one route. Accessibility will be considered to exist if it can be shown by the engineer that at the time of the peak flow, the depth of flow over the road will not be greater than 1 foot.
3. SECTION 404 PERMITS. Approval from the Army Corps of Engineers under the conditions of SECTION 404 PERMIT of the Clean Water Act may be required where proposed construction is adjacent to or within washes.
4. DEDICATIONS AND EASEMENTS. All vista corridor easements, drainage easements and easements for storm water storage shall be dedicated on the final plat, and by separate instrument as required and agreed to by city staff, with maintenance the responsibility of the property owner and or the Homeowners Association.

REFUSE REQUIREMENTS:

1. Refuse collection methods and arrangements shall be made prior to final plans approval.

TRAFFIC ORDINANCE REQUIREMENTS:

1. Streets and other related improvements:

STREET NAME	STREET TYPE	R.O.W. DEDICATION	ROADWAY IMPROVEMENT	CURB TYPE	BIKEPATH/ SIDEWALK
All Streets	Local Residential	30-Foot Tract (Private)	22 Feet BC-BC	Roll Curb	2-Foot Minimum Shoulder for limited distances

ENGINEERING WATER & SEWER ORDINANCE REQUIREMENTSWATER DEVELOPMENT ORDINANCE

1. WATER PROVIDER. City of Scottsdale is responsible for supplying the water to this project.

2. HEALTH AND SAFETY REQUIREMENTS. The water system for this project shall meet required health standards and shall have sufficient volume and pressure for domestic use and fire protection.
3. DEVELOPMENT FEES. The developer shall pay a development fee for City water supply in accordance with City ordinance. This fee shall be paid at the time, and as a condition, of the issuance of a building permit, or if the development does not require a building permit, prior to connection to the City water system. All questions may be referred to Mike Mahoney at 480-312-5686, Water Resources Analyst, in the City of Scottsdale Water Resources Department.
4. WATER METER FEES. Prior to the issuance of any building permit, the developer shall pay a Water Meter Fee for connection to the City water system in accordance with City Ordinance.

SEWER DEVELOPMENT ORDINANCE

1. DEVELOPMENT FEE. The developer shall pay a development fee for City sanitary sewer in accordance with City ordinance. This fee shall be paid at the time, and as a condition, of issuance of a building permit, or if the development does not require a building permit, prior to connection to the City sewer system. All questions may be referred to Mike Mahoney at 480-312-5686, Water Resources Analyst, in the City of Scottsdale Water Resources Department.

ORDINANCE REQUIREMENTS

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- ◆ Any appeals must be made in writing to the CITY CLERK'S OFFICE.

PLANNING ORDINANCE REQUIREMENTS

LOT DESIGN:

1. Lot area and width shall comply with amended R1-10 and R1-43 district standards of case No. 54-ZN-89 #7.
2. All lots shall abut a public, or private street furnishing satisfactory access thereto.

BUILDING HEIGHT:

1. *Maximum building height, measured from natural grade, shall be thirty (30) feet, to the satisfaction of Plan Review and Permit Services staff, and shall be noted on the plat.*

LANDSCAPING:

1. All plant materials in right-of-way shall be on the Department of Water Resources (DWR) low water plant list for the Phoenix Active Management Area (AMA).
2. Trees shall be provided at a rate of one tree per lot to be placed in front yard of each unit (per the City Code). Note on final landscape plans that this requirement will be met.
3. Provide documentation required for issuance of a Native Plant Permit as required in Chapter 46 of City Code and outlined in the Zoning Ordinance. The Native Plant Permit is a separate submittal and approval. (See page 12 for specific submittal requirements). Contact the City's Native Plant Officer at 312-7080 to initiate the process.
4. *If models homes are provided, they shall comply with the City Code*
5. Turf in all residential common areas shall comply with the City Code.

GRADING:

1. Prior to final plans submittal a grading report shall be submitted indicating methods and sequencing of grading, proposed locations for stockpiling or disposing of unused materials, and plans for minimizing wind and water erosion on graded areas during development and construction.

OTHER:

1. *Comply with conditions of case No.: 54-ZN-89 #1-7, and the Master Environmental Design Concept Plan for Planning Units III, V and VI.*

Construction Document/Final Plat Submittal Requirements

A copy of these construction document submittal requirements must accompany your first plan review submittal. Provide each item listed on the submittal checklists at your first submittal.

Incomplete submittals will not be accepted.

All Landscaping/Irrigation, Civil plan sheets must be 24" X 36" size, including Mylar originals. All Building sheets shall be a minimum 24" X 36" size.

The cover sheet must contain the following information:

1. County Assessor parcel number of property on which improvements are being proposed.
2. Full street address assigned by the City of Scottsdale Records Department
3. Provide space for City of Scottsdale Plan check number in the right hand margin. All applicable case numbers must be in 1/4-inch letters.
4. Provide the name, address, phone number, and email address of the owner, the party preparing the plans, the architect, and the developer.

Detailed information regarding construction plan preparation to the City of Scottsdale can be found in the City of Scottsdale's DESIGN STANDARDS AND POLICIES MANUAL. You may access the manual online at <http://www.scottsdaleaz.gov/dspm> - or call the One Stop Shop at 480-312-7080.

All construction plans, reports, etc., must be in conformance with those approved by the Development Review Board.

Listed below are items to be completed before construction document submittal. Provide documentation of completion of these requirements at the time of construction document submittal:

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

Civil Improvement Plan Submittal Requirements

Each item listed on this checklist must be submitted at your first construction document submittal, along with a copy of this list. **Incomplete submittals will not be accepted. All plans must be signed and sealed.** If necessary, the plan reviewer may require additional information and plans after the first submittal.

Required Plan Size: 24" X 36"

Minimum Horizontal Scale: 1" = 20'

Minimum Vertical Scale: 1" = 2'

CIVIL

The following items are the basic minimum requirements necessary to submit construction documents for review. Civil plans and building plans must be submitted at the same time, in separate packages.

1. A sealed engineer's statement on the cover sheet of all civil plan sets stating that, "The engineer of record on these plans has received a copy of the approved stipulations for this project and has designed these plans in conformance with the approved stipulations."
2. Title Report and Letter of Update (not more than 60 days old)
3. Provide the following:
 - ☒ Two Copies of Completed 404 Certification Form
 - ☒ Two Copies of the Notice of Intent (NOI)
 - ☒ Copy of the No-Conflict Form (Original must be signed by associated utility before plan approval)

4. IMPROVEMENT PLANS

Provide one (1) set that includes the following:

- ☒ Grading and Drainage Plan (Including water and sewer services)
- ☒ Water Plans
- ☒ Sewer Plans
- ☒ Paving Plans (including striping & signage)
- ☐ Traffic Signal Plans
- ☐ Striping & Signage Plans
- ☐ Structural Plans (including details & calculations)
- ☒ Preliminary Plat
- ☒ Final Plat (for reference only)
- ☒ ALTA Survey
- ☐ Map of Dedication

5. EASEMENTS/DEDICATIONS

☐ _____

6. ENGINEER'S ESTIMATES (for payment in-lieu)

☐ Street improvements ☐ Signalization

7. REFERENCE DOCUMENTS

Drainage	<input type="checkbox"/> Master**	<input checked="" type="checkbox"/> Final
Water	<input type="checkbox"/> Master**	<input checked="" type="checkbox"/> Basis Of Design **
Sewer	<input type="checkbox"/> Master **	<input checked="" type="checkbox"/> Basis Of Design **
Circulation	<input type="checkbox"/> Master **	<input type="checkbox"/> Final
Signalization	<input type="checkbox"/> Master **	<input type="checkbox"/> Final

**Note: Requires copies of approved reports before submittal of Improvement Plans for Plan Review. Developer shall, as a minimum, provide a copy of the cover sheet with City Staff signatures of acceptance.

8. OTHER

- ☒ Geotechnical Report
- ☐ Structural Report
- ☐ The completed Stormwater Storage Waiver Request Form (must be signed by City Staff)
- ☐ _____
- ☐ _____
- ☐ _____

PLANNING

Provide one (1) set of the selected Improvement Plans (#5 above), and the following items:

- ☒ Landscape & irrigation plans
- ☐ Slope Analysis
- ☒ NAOS graphic worksheet
- ☐ Native plant program, or confirmation of compliance
- ☐ Fountain/Water feature details and elevations

Final Plat Submittal Requirements
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All final plats must be approved by the City Council. A final plat will be placed on the City Council's agenda only after staff has received a complete submittal, including the following items:

1. ALTA Survey
2. Title Report (less than 60 days old)
3. NAOS graphic & calculation worksheet
4. Copy of preliminary plat
5. Completed abandonment/vacation of easement application (if applicable)
6. Digital Submittal
7. 8-1/2" X 11" transparency of the staff approved final plat must be submitted to four (4) weeks prior to the scheduled City Council date.

The applicant will be notified once the final plat has been tentatively placed on the City Council meeting agenda.